We Claim:

- 1. A method for diagnosing glaucoma in a patient, said method comprising the steps:
 - (a) obtaining a biological sample from the trabecular meshwork of said patient; and
- (b) analyzing said sample for expression of GR β (SEQ ID NO:1); wherein aberrant expression of GR β as compared to expression of GR β in a patient not suffering from glaucoma indicates a diagnosis of glaucoma.
- 2. A method for diagnosing glaucoma in a patient, said method comprising the steps:
 - (a) obtaining a biological sample from the trabecular meshwork of said patient;
 - (b) analyzing said sample for expression of GRβ (SEQ ID NO:1); and
- (c) isolating the GR β expressed in said sample; wherein a defect in the GR β isolated from said sample as compared to SEQ ID NO:1 alters the degree of alternative splicing between exons 8 and $9\alpha/9\beta$ leading to altered expressio of GR β and indicates a diagnosis of glaucoma.
- 3. The method of claim 2, wherein a defect in the GRβ isolated from said sample is detected by a method selected from the group of assays consisting of: restriction fragment length polymorphism (RFLP), single-stranded conformation polymorphism (SSCP), polymarase chain reaction (PCR), denaturing gradient gel electrophoresis, allele specific oligonucleotide ligation, and allele specific hybridization.
- 4. A method for determining whether an agent is useful for treating glaucoma resulting from aberrant expression of GR β (SEQ ID NO:1), said method comprising the steps:
 - (a) obtaining a composition comprising GRβ (SEQ ID NO:1);
 - (b) admixing said composition with a candidate substance; and
 - (c) determining whether the candidate substance interacts with GR β in binding assays or alters the expression of GR β .